

Abstract of the Disclosure

An apparatus for collision resolution among home networking stations using carrier sense. More specifically, an apparatus for collision resolution among home networking stations using Media Access Control (MAC) in the HomePNA 2.0 specification for constructing home networks is provided. The apparatus provides collision resolution to a larger number of stations than the number of stations protected by the HomePNA specification. In addition, the apparatus prevents the generation of errors caused by incorrect calculation of the number of back-off signals in the case of a carrier sense signal.

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